THREAD-SCOPED BREAKPOINTS

ABSTRACT

A method, apparatus, system, and signal-bearing medium that in an embodiment halt execution of a thread upon encountering a scoped breakpoint if the thread previously

5   encountered an entry breakpoint. If the thread did not previously encounter the entry breakpoint, then execution of the thread continues. The scoped breakpoint is within a region bounded by the entry breakpoint and an optional end breakpoint. The entry breakpoint is executed conditionally. When the thread encounters the entry and end breakpoints, thread execution is allowed to continue. In this way, multiple threads may be

10   easier to debug because the user is allowed to specify breakpoints that are specific to threads that execute through a particular location in a program.